



Docket No.: 273853US90CIP

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313



RE: Application Serial No.: 10/814,011  
Applicants: Toshi K. UCHIDA, et al.  
Filing Date: March 31, 2004  
For: EMBEDDED OPTICAL COUPLING IN CIRCUIT  
BOARDS  
Group Art Unit: 2874  
Examiner: Unassigned

SIR:


Attached hereto for filing are the following papers:

**Power of Attorney**  
**Statement under 37 CFR 3.73(b)**  
**Copy of Assignment**

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

  
Masayasu Mori

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Toshi K. UCHIDA, et al.

Application No./Patent No.: 10/814,011

Filed/Issue Date: March 31, 2004

Entitled: EMBEDDED OPTICAL COUPLING IN CIRCUIT BOARDS

IBIDEN CO., LTD.

(Name of Assignee)

, a Corporation

(Type of Assignee, e.g., corporation, partnership, government agency, etc.)

States that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is \_\_\_\_\_%

in the patent application/patent identified above by virtue of an assignment from the inventor(s) of the patent application/patent identified above. A copy of the assignment is attached.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

8/30/05

Date

Michael E. Monaco

Printed or Typed Name

703-413-3000

Telephone Number

52,041

Registration Number



**GENERAL POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE  
UNITED STATES PATENT AND TRADEMARK OFFICE**

I hereby appoint:



Practitioners associated with the Customer Number

**22850**

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Assignee Name and Address:

IBIDEN CO., LTD.

1, Kanda-cho 2-chome, Ogaki-shi,  
Gifu 503-0917, Japan

**A statement under 37 CFR 3.73(b) is attached.**

**SIGNATURE OF ASSIGNEE OF RECORD**

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>Yoshifumi Iwata</i>	Date:	<i>Dec. 21, 2004</i>
Name	Yoshifumi IWATA	Telephone:	0584-74-7882
Title	President		

## ASSIGNMENT

WHEREAS, we, MASATAKA ITO and TOSHI K. UCHIDA, of the County of Los Angeles, State of California, have invented new and useful improvements in EMBEDDED OPTICAL COUPLING IN CIRCUIT BOARDS, for which a United States Utility Patent Application Serial Number 10/230,141 was filed on August 27, 2002 and a continuation-in-part United States Utility Patent Application Serial Number 10/814,011 was filed on March 31, 2004 (hereafter the Invention); and

WHEREAS, Ibiden Co., Ltd., a corporation of Japan, hereinafter called "Assignee" having a principal place of business at 2-1, Kanda-cho, Ogaki-shi, Gifu Pref., 503-8604, JAPAN, is desirous of acquiring the entire right, title and interest in and to the aforesaid Invention and in and to any and all Letters Patent therefor granted in the United States of America, and in and any countries foreign thereto.

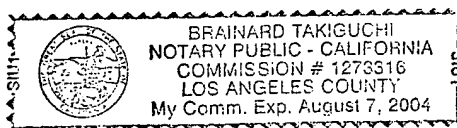
NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of Ten Dollars (\$10.00) to each of us in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, MASATAKA ITO and TOSHI K. UCHIDA, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim priority rights for such foreign applications to which such applications are entitled, under international conventions, treaties, or otherwise), in and to the said Invention as described in said application, and in and to all Letters Patent granted therefor, and all divisions, reissues and continuations thereof, and we hereby authorize and request the Commissioner of Patents to issue all Letters Patent on said Invention or resulting therefrom to said Assignee, as assignee of the entire right, title and interest, and we covenant that we have full right to do so and agree that we will communicate to said Assignee, or its successors, assigns and representatives, any and all facts known to us regarding said invention whenever requested and will testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue and continuation applications, and generally do everything possible to aid said Assignee, its successors, assigns and legal representatives, to obtain and enforce proper patent protection for said Invention in all countries.

Executed this 6th day of July, 2004

  
Masataka Ito

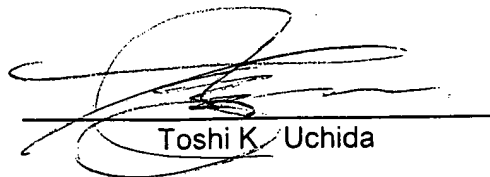
State of California            )  
  ) ss.  
County of Los Angeles        )

Before me personally appeared Masataka Ito who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same this 06 day of July, in the year 2004.



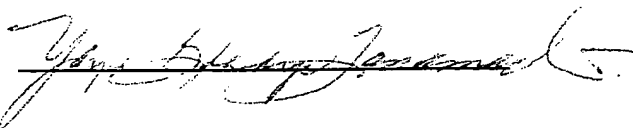
  
Notary Public

Executed this 5th day of August, 2004

  
Toshi K. Uchida

Witnessed by

Signature



Printed Name

YAYE GLADYS TANAMACHI

## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

No. 5193

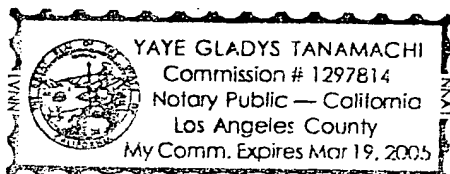
State of CALIFORNIA

County of LOS ANGELES

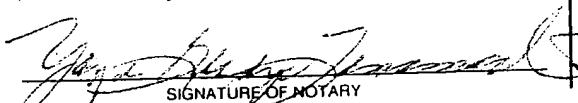
On August 5, 2004 before me, YAYE GLADYS TANAMACHI, Notary Public  
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared TOSHI K. UCHIDA  
NAME(S) OF SIGNER(S)

☐ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

  
SIGNATURE OF NOTARY

### OPTIONAL SECTION

THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT:

Though the data requested here is not required by law, it could prevent fraudulent reattachment of this form.

TITLE OR TYPE OF DOCUMENT

Assignment

NUMBER OF PAGES

DATE OF DOCUMENT

SIGNER(S) OTHER THAN NAMED ABOVE

MASATAKA ITO

### OPTIONAL SECTION

#### CAPACITY CLAIMED BY SIGNER

Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document.

☐ INDIVIDUAL

☐ CORPORATE OFFICER(S)

TITLE(S)

☐ PARTNER(S) ☐ LIMITED

☐ GENERAL

☐ ATTORNEY-IN-FACT

☐ TRUSTEE(S)

☐ GUARDIAN/CONSERVATOR

☐ OTHER: \_\_\_\_\_

#### SIGNER IS REPRESENTING:

NAME OF PERSON(S) OR ENTITY(IES)